INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/016246

A. CLASSIFIC Int.Cl	CATION OF SUBJECT MATTER F16K7/16		
According to Inte	emational Patent Classification (IPC) or to both national	al classification and IPC	
B. FIELDS SE	ARCHED		
Minimum docum Int.Cl ⁷	nentation searched (classification system followed by c F16K7/16, F16K7/17	lassification symbols)	
Jitsuyo Kokai Ji		tsuyo Shinan Toroku Koho oroku Jitsuyo Shinan Koho	1996-2005 1994-2005
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	• •	Relevant to claim No.
X Y	JP 2003-529031 A (Swagelok C 30 September, 2003 (30.09.03) Par Nos. [0050] to [0053]; Fi & WO 01-73327 A2 & US	١,	1-4 2,3
X Y	JP 9-217845 A (Benkan Corp.) 19 August, 1997 (19.08.97), Par No. [0017]; Figs. 1, 2 (Family: none)	,	1,4 2,3
А	JP 2003-247650 A (CKD Kabush 05 September, 2003 (05.09.03) Full text; Fig. 8 (Family: none)	iki Kaisha), ,	1-4
× Further doc	cuments are listed in the continuation of Box C.	See patent family annex.	1
Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family	
Date of the actual completion of the international search 07 January, 2005 (07.01.05)		Date of mailing of the international search report 15 February, 2005 (15.02.05)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
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	DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	JP 11-37329 A (Benkan Corp.), 12 February, 1999 (12.02.99), Full text; Figs. 1, 2 (Family: none)	1-4
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Form PCT/ISA/210 (continuation of second sheet) (January 2004)